

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> :

A61B 17/04, 17/08

A1

(11) International Publication Number:

WO 00/56226

(43) International Publication Date:

28 September 2000 (28.09.00)

(21) International Application Number: PCT/IL99/00670

(22) International Filing Date: 8 December 1999 (08.12.99)

## (30) Priority Data:

129067	19 March 1999 (19.03.99)	IL
PCT/IL99/00284	30 May 1999 (30.05.99)	IL
PCT/IL99/00285	30 May 1999 (30.05.99)	IL

(71) Applicant (for all designated States except US): BY-PASS, INC. [US/US]; 40 Ramland Road, Orangeburg, NY 10962 (US).

## (72) Inventors; and

(75) Inventors/Applicants (for US only): LOSHAKOVE, Amir [IL/IL]; P.O. Box 204, 42860 Moshav-burgeta (IL). KILEMNIK, Ido [IL/IL]; 35 Nordau Street, 46585 Herzelia (IL). KEREN, Dvir [IL/IL]; 31 Harav Kook Street, 49315 Petach Tikva (IL).

(74) Agents: FENSTER, Paul et al.; Fenster &amp; Company Patent Attorneys, Ltd., P.O. Box 10256, 49002 Petach Tikva (IL).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: VASCULAR SURGERY

## (57) Abstract

An anastomotic connector for connecting a graft to a target vessel, comprising a thin collar section (104) adapted to engage a portion of the graft; and a separate spike section (124) adapted to mount on said collar section, and comprising a plurality of spikes (126) each of said spikes (126) adapted to transfix said graft. Preferably, the connector comprises at least one locking element for interlocking said spike section (124), and said collar section (104). Preferably the locking element provides a spring action between the two sections.

